

2003 North Dakota YRBS Results

Middle School – Grades 7-8

Background Information

The Youth Risk Behavior Survey (YRBS) was developed by the Division of Adolescent and School Health, National Center for Chronic Disease Prevention and Health Promotion, and the Centers for Disease Control and Prevention in collaboration with several representatives from state and local health education agencies and other federal agencies.

The YRBS is designed to focus on behaviors related to the leading causes of death and disability among youth and young adults and to assess how these risk behaviors change over time. It is a self-reporting survey to measure priority health-risk behaviors that fall into six categories:

- behaviors that contribute to unintentional injuries and violence
- tobacco use
- alcohol and other drug use
- sexual behaviors that lead to unintended pregnancy and STDs, including HIV infection
- unhealthy dietary behaviors
- physical inactivity

These behaviors often are established during youth and extend into adulthood and are frequently interrelated. Most importantly, research indicates these behaviors are preventable.

The YRBS is conducted biannually in the Spring of odd years. Therefore, this study will be conducted again in the Spring of 2005, 2007, 2009, 2011, etc. ***To avoid the risk of overburdening your teachers and students with surveys, we strongly recommend that you reserve March and April of odd years for conducting the YRBS only!***

Methodology

The research process was designed to help (1) minimize bias in the selection process and (2) protect the privacy and confidentiality of all participating middle school students. Therefore, Winkelman Consulting and your school adhered to the following procedures:

- **Selection Process:** The contact person from your school provided a list of all middle school class sections held during a specific period of the day. The list included the number of middle school students enrolled in each class section. Winkelman Consulting utilized a random-systematic sampling technique to select the classes that would participate in the study, using the methodology established by WESTAT, the national organization that oversees this study in all of the states in which it is being conducted.
- **Survey Administration:** During the administration of the survey, each participating student received an envelope in which they were to seal their completed survey before returning it to the teacher or survey administrator. The teacher or survey administrator then placed all sealed, completed surveys into the packet for that specific class, sealed the packet, and returned the sealed packet to the contact person for your school. All sealed packets were then mailed to Winkelman Consulting, where the packets and individual surveys were opened.

2003 North Dakota YRBS Results Middle School – Grades 7-8

Surveys Completed for North Dakota Middle Schools as a part of the National YRBS

During the 2002-2003 school year, roughly 18,000 students attended middle school (Grades 7-8) in North Dakota. The North Dakota YRBS was administered to 6,901 middle school students (Grades 7-8) in North Dakota middle schools during the Spring of 2003. The following table summarizes the sample distribution by gender and grade.

Gender		Grade	
Group	Number	Group	Number
Female	3,418	7th Grade	3,381
Male	3,470	8th Grade	3,489
No response	13	No response	31
TOTAL	6,901	TOTAL	6,901

Given the methodology, the responses of the middle school students who participated in the survey can be used to make important inferences concerning the health-risk behaviors of all middle school students in the state. The margin of error figures associated with the number of middle school students that completed the survey in North Dakota are summarized in the next chart.

Middle School		Margin of Error for results at or about...				
Completed Surveys	Total Students	Minimum 10%/90%	20%/80%	30%/70%	40%/60%	Maximum 50%/50%
6,901	17,856	0.6%	0.7%	0.8%	0.9%	0.9%

Copyright © 2003 Winkelman Consulting

Please note that each question has a margin of error associated with it. Therefore, questions in which 80% to 90% of all respondents exhibit the same positive behavior (or negative behavior) will have a lower margin of error.

Executive Summary

The attached information provides the regional results for the 2003 North Dakota Youth Risk Behavior Survey (YRBS) of middle school students (grades 7-8). The regional results presented in this summary were “weighted” by Winkelman Consulting, based on school size and region, to assure that the results accurately reflect the proportion of middle school students enrolled in “urban” and “rural” schools in each human service region in the state.

CDC will code, weight and generate the state results. As soon as they are available, they will be added to this report and an updated report will be posted on the Department of Public Instruction (www.dpi.state.nd.us) and State Department of Health (www.health.state.nd.us) web sites.

2003 North Dakota YRBS Results

Middle School – Grades 7-8

The enclosed information provides results for all middle school students (grades 7-8) surveyed by Winkelman Consulting in North Dakota. Each table provides several different columns of information. The columns are as follows:

- **Middle School data coded & analyzed by Winkelman Consulting**
 - Includes the results for your school if:
 - (1) twenty-five or more students in your school completed a survey and
 - (2) six students or more reported the behavior being reported.
- **Regional data coded, weighted & analyzed by Winkelman Consulting**
 - Urban vs. Rural
 - Urban: Includes the results for all schools from cities or school districts that have 1,000 or more students enrolled in grades K-12.
 - Rural: Includes the results for all schools from cities or school districts that have fewer than 1,000 students enrolled in grades K-12.
 - Regions (*see map on the next page*)
 - Region 1: Includes the results for all schools within Human Service Region 1.
 - Region 2: Includes the results for all schools within Human Service Region 2.
 - Region 3: Includes the results for all schools within Human Service Region 3.
 - Region 4: Includes the results for all schools within Human Service Region 4.
 - Region 5: Includes the results for all schools within Human Service Region 5.
 - Region 6: Includes the results for all schools within Human Service Region 6.
 - Region 7: Includes the results for all schools within Human Service Region 7.
 - Region 8: Includes the results for all schools within Human Service Region 8.

This report is being provided to all schools that participated in the 2003 YRBS. Due to federal and state confidentiality requirements, local YRBS results will be provided **only** to local schools that meet the following criteria:

- Minimum student segment size is 25. Minimum student segment size means countable YRBS survey forms.
- For a particular school to receive a report, there must be at least 25 countable surveys (Grades 7-8) within that school.
 - For individual questions, your school's results for that question will be reported only if six or more students report the behavior being measured.
- For additional analysis or cross-tabs by grade, gender, etc., there must be at least 25 countable surveys in each grade segment, gender segment, etc. If a grade or gender segment does not have 25 countable surveys, data can be collapsed to attain the minimum student segment size. For example, if Grade 7 had seventeen countable surveys and Grade 8 had twenty-two countable surveys, a segment that combines Grades 7-8 could be presented in a cross-tab.
- If a school does not have 25 countable surveys, only the regional and urban/rural results will be reported.

If you have any questions about the enclosed information or desire additional detail, please feel free to contact Mark Winkelman at Winkelman Consulting via email (MRWinkelman@prodigy.net) or telephone (701-237-2283).

Human Service Regions

A map of North Dakota showing its 53 counties. The counties are color-coded into five regions:

- Gray:** Divide, Williams, McKenzie, Dunn, Billings, Slope, Bowman, Adams, Hettinger, Grant, Sioux, McIntosh, Dickey, Sargent, Richland.
- White:** Burke, Renville, Bottineau, Towner, Cavalier, Pembina, Walsh, Ramsey, Benson, Nelson, Grand Forks, Eddy, Foster, Griggs, Steele, Traill, Kidder, Stutsman, Barnes, Cass, Morton, Burleigh, Emmon, Logan, LaMoure, Ransom.
- Diagonal Lines (top-left to bottom-right):** Mountrail, Ward, McHenry, Pierce, Sherman, Wells, Sheridan, Mercer, Oliver, McLean.
- Diagonal Lines (bottom-left to top-right):** Rolette, McHenry, Pierce, Sherman, Wells, Sheridan, Mercer, Oliver, McLean.
- Checkerboard:** Stark.

 Seven purple stars are placed on the map: one in Williams, one in Ward, one in Ramsey, one in Grand Forks, one in Stutsman, one in Stark, and one in Burleigh. The Missouri River is shown as a wavy line along the western border, and the Canadian border is shown as a wavy line along the northern border.